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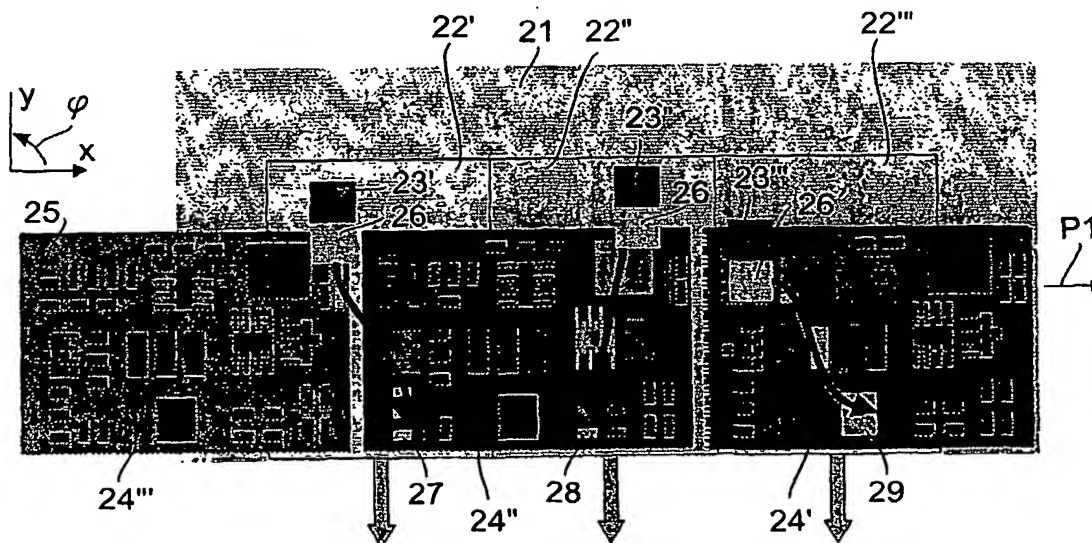
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[Continued on next page]

(54) Title: METHOD OF PLACING AT LEAST ONE COMPONENT ON AT LEAST ONE SUBSTRATE AND APPARATUS THEREFORE



(57) Abstract: A method of placing at least one component (25) on at least one substrate (24), a component (25) being picked up by means of at least a placement machine (2) and placed on a desired position on the substrate (24). After the component (25) has been placed on the substrate (24), an image of the component (25) placed on the substrate (24) is made by a camera (5, 23), a difference between the real position of the component (25) on the substrate (24) and the desired position of the component (25) on the substrate (24) being established on account of the image. The positioning of a next component (25) to be placed is adapted on account of the difference found.

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- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 408 090 B1 (SALOMON WERNER ET AL) 18 June 2002 (2002-06-18) the whole document	1,4-9
A	US 4 978 224 A (KISHIMOTO SHIN ET AL) 18 December 1990 (1990-12-18) the whole document claim 1; figures 1,13,20,21	1,8
A	US 2001/055069 A1 (HUDSON EDISON T) 27 December 2001 (2001-12-27)	1,8
A	the whole document	2,3
A	US 4 941 256 A (CAPSON DAVID W ET AL) 17 July 1990 (1990-07-17) abstract; figure 3 claim 1; figures 1,13,20,21	1,8
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Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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